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3. Arrangement according to claim 1 or 2, characterized in that the switching unit (VM-R) comprises means for the communication of the data packets

-- between internal communication terminal devices (KE3, KE\$) connected to the communication system (PBX) and the local network (LAN), and
 -- between external terminal devices that are connected to further interconnected communication systems (KW1, KE2) forming a communication network and the local network (LAN).

4. Arrangement according to one of the preceding claims, characterized in that the communication network (KN) is a digital or an analog communication network.

5. Arrangement according to claim 4, characterized in that the communication network (KN) is a line-bound and/or a radio communication network.

6. Arrangement according to one of the preceding claims, characterized in that an LAN identifier information (mac) serving for the identification of the data network interface (LANS) within the local data network (LAN) is stored in a non-volatile memory (PROM) arranged on the network switching unit (IGATE); a logical network identifier information (ipag) for identifying the data network interface (LANS) and communication terminal devices connected to the local data network (LAN) is stored in a first sub-area (SP1) of a memory arranged on the network switching unit (IGATE); and a communication network identifier information (rnw) for the identification of the network switching unit (IGATE) within the communication network (KN) is stored in a second sub-area (SP2) of the memory (SPF).

7. Arrangement according to claim 6, characterized in that the LAN identifier information (mac) is an interface-related LAN address whose presence is standard;

Sub A⁹
cont.

000001 000002 000003 000004 000005 000006 000007 000008 000009 000010 000011 000012 000013 000014 000015 000016 000017 000018 000019 000020 000021 000022 000023 000024 000025 000026 000027 000028 000029 000030 000031 000032 000033 000034 000035 000036 000037 000038 000039 000040 000041 000042 000043 000044 000045 000046 000047 000048 000049 000050 000051 000052 000053 000054 000055 000056 000057 000058 000059 000060 000061 000062 000063 000064 000065 000066 000067 000068 000069 000070 000071 000072 000073 000074 000075 000076 000077 000078 000079 000080 000081 000082 000083 000084 000085 000086 000087 000088 000089 000090 000091 000092 000093 000094 000095 000096 000097 000098 000099 000100

the logical network identifier information (ipag) is an Internet protocol address whose presence is standard; and

the communication network identifier information (rnw) is a communication network telephone number.

- Sub A9 cont
8. Arrangement according to claim 6 or 7, characterized in that further logical network identifier information (ipe1,...,ipek) of further local data networks are stored in a third sub-area (SP3) of the memory (SPF); and further communication network identifier information (rn1, ..., rnk) are stored in a fourth sub-area (SP4) of the memory (SPF), whereby a further logical network identifier information (ipe1, ..., ipek) and a further logical communication network identifier information (rn1, ..., rnk) are respectively allocated to one another.
9. Arrangement according to claim 8, characterized in that, for the communication of data packets via the communication network (KN), the network switching unit (IGATE) comprises a further conversion unit (KNK-R) for converting the logical network identifier information (ipe1, ..., ipek) into a communication network identifier information (rn1, ..., rnk).
10. Arrangement according to one of the preceding claims, characterized in that the network switching unit (IGATE) comprises a security unit (FWALL) for checking the routing information communicated to the network switching unit (IGATE) in view of an admissibility for a communication connection between the source and destination means identified by an appertaining routing information.
11. Arrangement according to one of the preceding claims, characterized in that the network switching unit (IGATE) comprises a protocol unit (PROT) for protected and/or transmission protocol-conforming communication of data packets ~~dependent on a selected transmission protocol.~~

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add a^{10}

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